

AMENDMENT UNDER 37 C.F.R. § 1.114(c)
U.S. Appln. No. 09/045,799

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An insert conductor comprising:

a conductor having a wiring section with a plurality of wires, an outer frame surrounding the wiring section, and connections connecting said outer frame and said wiring section and interconnecting said wires; and

a deformation preventer provided on said conductor and ~~flush with end portions covering at least an end of said wires~~, said deformation preventer being operable to prevent at least the end portions of the wires from being deformed during a cutting or an insert resin molding procedure.

2. (previously presented): The insert conductor according to claim 1, wherein said conductor is formed by stamping a single metal sheet.

3. (previously presented): The insert conductor according to claim 1, wherein said deformation preventer includes an engaging portion operable to engage a discrete wire.

4. (previously presented): The insert conductor according to claim 3, wherein said discrete wire is included in said conductor.

5. (previously presented): The insert conductor according to claim 3, wherein said discrete wire is a connector terminal of a brush holder.

AMENDMENT UNDER 37 C.F.R. § 1.114(c)
U.S. Appln. No. 09/045,799

6. (previously presented): The insert conductor according to claim 1, wherein said deformation preventer is composed of polyphenylene sulfide resin.

Claims 7 and 8 (canceled).

9. (currently amended): A vehicle generator comprising:
a fan which generates airflow;
a regulator;
a stator coil;
a brush holder; and
a ventilation guide fixed to a peripheral portion of said brush holder, said ventilation guide operable to guide airflow, generated by said fan, to said regulator and said stator coil;
wherein, said brush holder includes,
a conductor with a wiring section composed of a plurality of wires, an outer frame surrounding the wiring section, and connections connecting said outer frame and said wiring section and which interconnect said wires; and
an insulating member disposed on at least an end portions of the wires, said insulating member being operable to prevent at least the end portions of the wires from being deformed during a cutting or an insert resin molding procedure.

AMENDMENT UNDER 37 C.F.R. § 1.114(c)
U.S. Appln. No. 09/045,799

10. (original): The vehicle generator according to claim 9, wherein said conductor is formed by stamping a single metal sheet.

11. (previously presented): The vehicle generator according to claim 9, wherein said insulating member includes an engaging portion operable to engage a discrete wire.

12. (original): The vehicle generator according to claim 11, wherein said discrete wire is included in said brush holder.

13. (original): The vehicle generator according to claim 11, wherein said discrete wire is a connector terminal of said brush holder.

14. (original): The vehicle generator according to claim 9, wherein said insulating member is composed of polyphenylene sulfide resin.

Claims 15-20 (canceled).

21. (currently amended): A brush holder used in a vehicle charging system, the brush holder comprising:

an insert conductor with a plurality of wires;

AMENDMENT UNDER 37 C.F.R. § 1.114(c)
U.S. Appln. No. 09/045,799

a deformation preventer provided on both top and bottom surfaces of said insert conductor, said deformation preventer being operable to prevent an end ~~portions~~ of at least some of the plurality of wires from being deformed; and

a coating covering said insert conductor and said deformation preventer, including the end ~~portions~~ of the wires.

22. (previously presented): A brush holder as claimed in claim 21 wherein said deformation preventer comprises polyphenylene sulfide.

23. (previously presented): A brush holder as claimed in claim 21 wherein said deformation preventer traverses both horizontally and vertically across the top and bottom surfaces of said insert conductor.

24. (previously presented): A method of producing a brush holder used in a vehicle charging system, the method comprising:

stamping a single sheet of metal to produce an insert conductor with a plurality of wires connected to an outer frame;

providing a deformation preventer across both top and bottom surfaces of said insert conductor, wherein at least a portion of the deformation preventer is disposed across at least some of the wires;

AMENDMENT UNDER 37 C.F.R. § 1.114(c)
U.S. Appln. No. 09/045,799

cutting said wires from the frame at a boundary of the deformation preventer, wherein during said cutting the deformation preventer prevents the cut wires from being deformed.

25. (previously presented): A method as claimed in claim 24, further comprising: coating said insert conductor and said deformation preventer, including end portions of the cut wires located at the boundary of the deformation preventer, with a protective coating.

26. (previously presented): A method as claimed in claim 25 wherein the protective coating and the deformation preventer are both formed using insert resin molding.